MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Name of work:- Improvements to Road and Drain at Kogilu layout in Ward No.05 (Jalahalli) Byatarayanpura Sub Division

Sobe code :— 005-20-000071

Estimate cost: 250.00 lakhs

Name of Agency: K.R. Santhosh Kumar.

Work order: BBMP/EE/BTP/W00/57/20-21 Dt 27/7/20

(1) Earthwork Excavation by manual means for roads, drains & similar works

M. A. R. 57 (Rule 116)

Measurement Book

No. B 500740

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	In ordinary soil excavated surface levelled and breaking of clods etc complete Qty vide item no 1 from pre measurement sheet - Pg 1-6 @ Rate 217.94/m³ Qty – 2653.93 m³ = 578398=00						
	(2) providing & laying in position P.C.C M mix 1:4:8 with 40 mm & down size graded metal coarse aggregates & fine aggregates Mix proper Concrete laid in layers not exceeding 15 cm like well Compacted etc Complete						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty is from premeasurement sheet vide item NO 2 & pg -					Qty - 201.24 m³	
	ⓐ Rate = 677.44/m³					= 1/42528=0	
(3)	providing & laying in position P.C.C A mix 1:2:4 with 20 m.m & down size graded granite metal course aggregates & fine aggregates machine mixed concrete laid in layers not exceeding 15cm-ne like well compacted in foundation plinth & fill including cost of all materials labour curing etc complete						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 500741

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty is from pre measurement sheet Item No 3 pg- @ Rate 6033.54/m^3					Qty - 82.75 m^3 = 499275=00	
	(4) providing & laying in position P.C.C @ mix 1:3:6 with 40 mm & down size graded granite metal coarse aggregates & fine aggregates machine mixed concrete laid in layers not exceeding 15cm thick well compacted in foundation including cost of all materials curing etc complete.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty is from premeasurment sheet- vide Item NO 4 & Pg-						
	@ Rate 5779.82/m³					Qty - 382.57m³	
						= 2210030 =/-	
	(5) providing laying plain/reinforced C.C for side drains using M20 nominal mix concrete with 20m.m & down size granite metal coarse aggregates & fine aggregates M/C mixed well compacted for wall & Bottom including Centering shuttering cost of materials machinery curing etc complete						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 500742

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty is from measurement sheet - Item No 5 & Pg -					Qty - 934.03 m^3	
		@ Rate 7422.30/m^3				= 6969762=00	
(6)	providing T. M. T bars Fe 500 steel reinforcement for RCC work including straightening cutting bending, hooking placing in position lapping and/or welding wherever required tying with binding wire & anchoring to the adjoining members wherever necessary etc complete						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty is from premeasurement- Item no 6 & pg-						
	@ Rate 75928.86/Tonne					Qty- 54.74 Tonne	
(7)	providing & fixing pre cast-					=4156346=00	
	made out- of cc 1:2:4 with 10c.m thick &					Covering slab	
	Finishing cutting, including form work						
	curing including cost- of all materials etc						
	complete.					Qty-	
	Qty is from measurement- sheet-						
	vide Item no 7 & 8					Qty- 2163.11 m²	
	@ Rate 2453.38					=5306931=00	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

500743

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(8) providing & Fixing pre cast- covering slab 250 m.m thick made out of CC 1:2:4 & Jelly 20 m.m down size with steel reinforcement- including form work curing including cost of all materials labour hire charges loading unloading & load & Lift- transportation etc Complete Qty is from measurement sheet vide Item NO 8						
						Qty -	186.89 m^2
						=	1062997=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(9)	Scarifying bituminous course 50 mm to 75 mm thick along with premix carpet/surface dressing by road roller attached with scarifier without disturbing the base & stacking the debris including cost & all labour charges etc complete Qty is from premeasurement sheet wide Item No 9 & Pg (a) Rate 43.40/m²					Qty - 191.10 m² = 8294 = 00	
(10)	Construction of embankment with approved materials Gravel/murrum with all lifts & lead						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

500744

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	transporting to site spreading spreading to required slope & Compacting to meet requirement including cost of gravel/murrum watering Compaction by vibration etc Compleate. Qty is from premeasurement sheet vide &tem no 10 & P8 @ Rs 361.66/m³					Qty - 298.88 m³ = 108093=00	
(11)	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all material						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Labour etc Complete Qty is from measurement sheet vide Item NO 11 & pg @ Rate 6.68/m²					Qty - 1589.18m² = 10616=00	
(12)	Construction of granular Sub-base Grading-V as Sub base & drainage layer by providing crushed granites stone aggregate & granite material mixing in a mechanical mixere plant carriage & mixed materials to work site Spreading in uniform layer with motor grader on prepared surface & compacting						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

500745

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	with vibratory power roller to achieve req. proctor density etc complete.						
	Qty from measurement sheet item no 12 & 13					Qty - 224.16 m³	
	@ Rate 2094.27/m³					= 469452=00	
(13)	cement concrete pavement - Un-reinforced p.c.c pavement concrete M30 over a prepared base with coarse & fine aggregates mixed in a concrete mixer					Construction of curing a grade	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	laid in ma approves sizes side form work spreading the concrete with shovels, rakers compacted using needle poker plate vibrator & finishes in a continious operation & curing including cost & all materials etc complete						
	Qty is from measurements shown					Qty - 75.60 m³	
	vide Item No 13 & Pg					= 413568 = 00	
	@ Rate 5470.47/m³					22936290 = 00	

ಸಿ.ಬಿ.ಎಂ & ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯ[illegible]
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬೆಂಗಳೂರು-26

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 500746

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				Total ₹		22936290=00 2752355=00	
				Grand Total ₹		25688645=00	
	(1) It is certified that the above work done Satisfactorially						
	(2) The above Bill Amount is not claimed any of previous Bills.						

20/12/20
ಸಮಾಯಕ ಅಧಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

20/12/20
ಸಹಾಯಕ ಅಧಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-26

11/2/2020

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	

Cross Road

150-m

1st main Road

6th main Road

190.4M

236.1m

90.45m

113.7m

Cross Road

20M

129.2M

249.3M

44.M

25M

40.7m

24M

RCC drain

Culvert

CC Road

Logic in main Road

Brigade North

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

500747

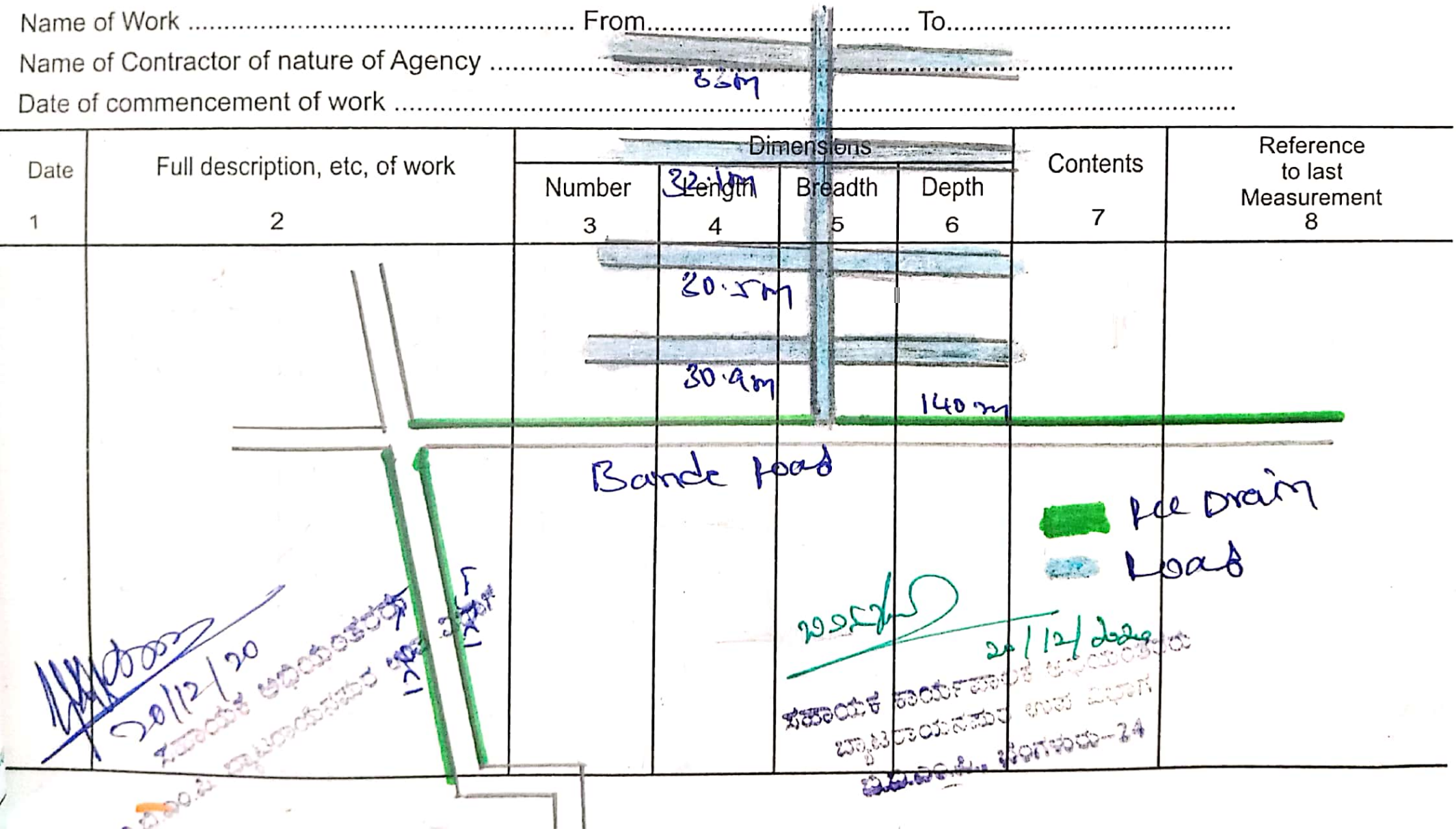
Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



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